

ON A FOURTH COLLECTION OF BIRDS MADE BY MR. GEORGE FORREST IN NORTH-WESTERN YUNNAN

BY LORD ROTHSCHILD, F.R.S.

THE collection is rather smaller than the former ones owing to a bad season, interference with freedom of travel owing to bandits, and other similar causes. It appears to have been made also at the lower and intermediate ranges for the most part, as it almost entirely consists of the more tropical species. There are a good number not sent in previous collections. These have the first quotation noted, while all those sent in former collections have not.

1. *Arboricola torqueola* (Valenc.).

Perdix torqueola Valenciennes, *Dict. Scienc. Nat.* vol. xxxviii, p. 435 (1825) (Bengal).

The ♀ has the breast much darker olive-brown than any of my Indian examples, but as the ♂ agrees perfectly I do not venture to separate the Yunnan bird on the evidence of a single ♀.

1 ♂, 1 ♀ hills N. of Tengyueh, 8,000 ft. (scrub and cane brakes), Aug. 1924. (Iris orange-red; naked space round eye orange-crimson; bill dark reddish-brown, tip paler; feet deep brownish-red, claws orange-brown.)

2. *Bambusicola fytchii fytchii* Anders.

3 ♂♂, 1 ♀ hills N. of Tengyueh, 5,000–7,000 ft. (thickets), July–Aug. 1924. (Iris brownish-yellow; bill upper mandible black-brown, lower dull brown; feet and legs dull grey, claws brown.)

3. *Gennaeus nycthemerus* (Linn.).

Phasianus nycthemerus Linnaeus, *Syst. Nat.* edit. x, pt. i, p. 272, No. 6 (1758) (China ex Albin).

Forrest sent 1 ♂, 2 ♀♀, which are very welcome, as wild shot birds are very rare in collections.

1 ♂, 2 ♀♀ hills N.W. of Tengyueh, 8,000–10,000 ft. in forests, Aug. 1924. (Iris golden-yellow, paler in ♀; bill dull brown with dark-brown base of upper mandible in ♂, dark brown upper and light brown under mandible in ♀; feet and legs crimson, claws flesh-pink.)

4. *Chrysolophus amherstiae* (Leadb.).

1 fledgling ♀, hills N.W. of Tengyueh, 9,000 ft. (forests), Aug. 1924.

5. *Porzana fusca erythrothorax* (Temm. & Schleg.).

Gallinula erythrothorax Temminck & Schlegel, in *Siebold's Faun Jap. Aves*, p. 121, pl. lxxviii (1849) (Japan).

1 ♂, 1 ♀ Tengyueh Valley, 5,500 ft. (swamps and rice-fields), June 1924. (Iris deep orange-crimson; naked area round eye crimson; feet deep orange-red, claws brown; bill brown-black.)

6. *Rostratula benghalensis benghalensis* (Linn.).

The single ♀ sent is abnormal, the hindneck being entirely black and the foreneck and chest much blacker than usual.

1 ♀ Tengyueh, 5,500 ft. (rice-fields), Dec. 1924.

7. *Gallinago solitaria* Hodgson.

Gallinago solitaria Hodgson, *Gleanings in Science*, vol. iii, p. 238 (1831) (Nepal).

1 ? hills N. of Tengyueh, 6,000 ft. (Alpine marshes), Dec. 1924.

8. *Tringa ocropus* Linn.

2 ♀♀ Tengyueh Valley, 6,000–7,000 ft. (rice-fields and marshes), Nov.–Dec. 1924.

9. *Tringa nebularia* (Gunn.).

1 ♀ ? Tengyueh, 6,000 ft., Dec. 1924.

10. *Himantopus himantopus himantopus* (Linn.).

Charadrius himantopus Linnaeus, *Syst. Nat.* edit. x, pt. i, p. 151 (1758) (S. Europe).

1 ? (in very worn plumage) Tengyueh Valley, 5,300 ft. (rice-fields), Sept. 1924.

11. *Sarcogrammus indicus atronuchalis* (Blyth).

1 ♂ Tengyueh Valley, 6,000–7,000 ft. (rice-fields and marshes), Dec. 1924.

12. *Microsarcops cinereus* (Blyth).

2 ♂♂, 1 ♀ Tengyueh Valley, 6,000–7,000 ft. (rice-fields and marshes), Dec. 1924.

13. *Charadrius dominicus fulvus* Gm.

2 ? Tengyueh, 5,500 ft. (rice-fields), Dec. 1924.

14. *Charadrius placidus* Gray.

2 ♀♀, Tengyueh Valley, 5,500 ft., June 1924; 1 Shweli Valley, 6,000 ft., Oct. 1924.

15. *Sphenurus sphenurus yunnanensis* La Touche.

1 ♂ hills N. of Tengyueh, 8,000 ft., July 1924; 2 ♀♀ Shweli Valley, 7,900 ft., Dec. 1924; 2 ♀♀ Shweli–Salwin Divide, 7,000–9,000 ft., July 1924.

16. *Streptopelia chinensis forresti* subsp. nov.

This form from N.W. Yunnan is a mountain form and only a single ♂ was sent by Forrest in his first collection, and was erroneously identified by me as *chinensis vacillans* Hart., which is a bird of the plains and appears to be only known so far from Mengtz.

This new form is nearest to *chinensis suratensis* (Gm.).

♂ ad. differs from *c. suratensis* in the greyer, less brownish head and neck,

in the less distinct rusty buff markings and paler ground colour of the back and interscapulum; in the absence on the upper large and small wing-coverts of the vinaceous patches, which are replaced by irregular more or less obsolete rusty markings; by the narrower central black stripes on the upper wing-coverts; by the brighter blue-grey of the edge of the wing and outer coverts; by the darker breast; and by the buff, not whitish or whitish buff under tail-coverts. The young bird is almost uniform greyish olive-brown above and grey saturated with brown and yellowish rusty below.

1 ♂ hills round Tengyueh, 5,000–7,000 ft., July 1924 (type); (bill brown-black; feet crimson; iris creamy yellow); 1 ♂ Tengyueh, 5,000–7,000 ft., Nov. 1924; 2 ♂♂, 1 ♂ juv. Tengyueh Valley, 6,000 ft., July 1924.

17. *Streptopelia orientalis orientalis* (Lath.).

2 ♀♀ hills N. of Tengyueh, 6,000 ft., July 1924.

18. *Columba hodgsoni* Vig.

1 ♂ hills N. of Tengyueh, 7,000 ft., Dec. 1924; 1 ♀ Shweli-Salwin Divide, 8,000 ft., Dec. 1924.

19. *Phalacrocorax javanicus* (Horsf.).

Carbo javanicus Horsfield, *Trans. Linn. Soc. Lond.* vol. xiii, p. 197 (1822) (Java).

1 ♂ ad. Tengyueh Valley, 5,000–6,000 ft., June 1924; 1 ♀ jun. Tengyueh Valley, 6,000 ft., Oct. 1924.

20. *Nyroca fuligula* (Linn.).

Anas fuligula Linnaeus, *Syst. Nat.* edit. x, pt. i, p. 128, No. 39 (1758) (European seas).

1 ♂ (marked ♀), Shweli Valley, lat. 25° 40', 6,000 ft., June 1924.

21. *Butorides striatus amurensis* Schrenck.

Ardea (Butorides) virescens var. *amurensis*, Schrenck, *Reis. Amur-Lande*, vol. i, pt. ii, p. 441 (1860) (Amur).

♀ imm. hills N.W. of Tengyueh, 7,000 ft., Aug. 1924.

22. *Ardeola bacchus* (Bpt.).

1 ♂ Shweli Valley, 7,000 ft., Dec. 1924; 1 ♂ Shweli-Salwin Divide, 6,000 ft., Nov. 1924.

23. *Bubulcus ibis coromandus* (Bodd.).

1 ♀ ad. (breeding plumage) Tengyueh Valley, 5,300 ft., June 1924; 3 ♀♀ (non-breeding plumage) ditto, 6,000 ft., Aug. 1924.

24. *Egretta garzetta garzetta* (Linn.).

Ardea garzetta Linnaeus, *Syst. Nat.* edit. xii, pt. i, p. 237, No. 13 (1766) (habitat in Oriente).

1 ♂, 1 ♀ Tengyueh Valley, 5,300 ft., June 1924.

25. *Circus cyaneus cyaneus* (Linn.).

1 ♂ hills N. of Tengyueh, 8,000 ft., Dec. 1924.

26. *Circus melanoleucus* (Forst.).

1 ♂ Shweli Valley, 6,000–9,000 ft., Dec. 1924; 1 ♀ Tengyueh Valley, 5,300 ft., Sept. 1924.

27. *Falco tinnunculus tinnunculus* Linn.

Falco tinnunculus Linnaeus, *Syst. Nat.* edit. x, vol. i, p. 90, No. 15 (1758) (Europe).

1 ♂, 2 ♀♀ Shweli Valley, 6,000–9,000 ft., Dec. 1924; 1 ♂ Shweli-Salwin Divide, 7,000–8,000 ft., Dec. 1924; 1 ♀ hills round Tengyueh, 6,000 ft., Dec. 1924.

28. *Falco tinnunculus interstinctus* (McClell.).

1 ♂ juv., 1 ♀ ad. Shweli Valley, 6,000–9,000 ft., Nov.–Dec. 1924.

29. *Strix aluco harterti* (La Touche).

Again only a single example was obtained, and it is as yet very doubtful if *S. a. harterti* and *a. nivicola* are identical or not.

1 ♂ hills N.W. of Tengyueh, 9,000 ft., Aug. 1924. (Iris purple-black; bill blue-grey, tip yellow; claws brown.)

30. *Otus bakkamoena glabripes* (Swinh.).

1 ♂, 1 ♀ ad., 1 ♂, 1 ♀ juv. Shweli-Salwin Divide, 6,000–7,000 ft., May 1924.

31. *Cuculus sparverioides* Vig.

One ♂ is conspicuous by the strong wash of rufous on the breast.

1 ♂, 2 ♀♀ Tengyueh, 5,000–6,000 ft., June 1924; 1 ♂ juv., 1 ♀ hills N.W. of Tengyueh, 9,000 ft., Aug. 1924.

32. *Cuculus intermedius intermedius* Vahl.

1 ♂, 1 ♀ (red phase) hills N.W. of Tengyueh, 7,000–8,000 ft., Oct. 1924; 1 ♂ Tengyueh, 7,000 ft., May 1924; 1 ♀ (grey phase) Tengyueh Valley, 6,000 ft., June 1924.

33. *Cuculus canorus telephonus* Heine.

1 ♀ ad., 2 ♂♂ juv. hills around Tengyueh, 5,000–6,000 ft., April and June 1924; 1 ♂, 1 ♀ ad. Tengyueh, 6,000–7,000 ft., April–May 1924.

34. *Cacomantis merulinus querulus* Heine.

1 ♂ ad. hills around Tengyueh, 6,000 ft., June 1924; 1 ♂ juv. hills N.W. of Tengyueh, 8,000 ft., Oct. 1924.

35. *Eudynamis honorata malayana* Cab. & Heine.

Of the 2 ♂♂ sent, No. 5172 has a wing of 203 mm., and No. 5040 of 207 mm., so the difference from *h. honorata* with a wing of 194 mm. holds good.

1 ♂ Tengyueh Valley, 5,000–6,000 ft., 1 ♂ hills round Tengyueh, 5,000–6,000 ft., June 1924.

36. *Centropus bengalensis bengalensis* (Gm.).

1 ♂ hills round Tengyueh, 8,000 ft., Aug. 1924.

37. *Pyrotrogon erythrocephalus yamakanensis* (Rich.).

1 ♂ hills round Tengyueh, 9,000 ft., 1 ♀ hills N. of Tengyueh, 9,000 ft., July 1924; 1 ♀ Shweli-Salwin Divide, 25° 40' N. lat., 9,000 ft., May 1924.

38. *Dryobates semicoronatus omissus* Rothsch.

4 ♀♀ (Nos. 5196 and 5876 marked ♂♂) hills round Tengyueh, 6,000-7,000 ft., June and Dec. 1924; 2 ♀♀ (No. 5433 marked ♂) hills N.W. of Tengyueh, 8,000 ft., Sept. 1924; 1 ♂ (labelled ♀) Tengyueh Valley, 6,000 ft., Oct. 1924; 1 ♂, 1 ♀ (sexes reversed 5787 marked ♀ = ♂ 5786 marked ♂ = ♀) Shweli Valley, 6,000-9,000 ft., Dec. 1924; 1 ♂, 1 ♀ Shweli-Salwin Divide, 7,000-9,000 ft., July and Oct. 1924 (No. 5432 marked ♀ = ♂).

39. *Dryobates cabanisi cabanisi* (Mall.).

1 ♂, 2 ♀♀ hills round Tengyueh, 7,000-9,000 ft., Dec. 1924.

40. *Dryobates darjellensis* (Blyth).

1 ♀ hills round Tengyueh, 7,000-9,000 ft., Dec. 1924.

41. *Picus canus sordidior* (Rippon).

2 ♂♂, 2 ♀♀ Shweli Valley, 6,000-9,000 ft., Dec. 1924; 1 ♀ Shweli-Salwin Divide, 7,000 ft., Oct. 1924; 1 ♀ ad., 1 ♀ juv. hills round Tengyueh, 6,000-9,000 ft., July and Dec. 1924.

42. *Cyanops franklini franklini* (Blyth).

7 ♂♂, 4 ♀♀, 1 ? hills N. of Tengyueh, 9,000 ft., Aug. 1924; 1 ♂ Shweli-Salwin Divide, 9,000 ft., Dec. 1924.

43. *Alcedo atthis bengalensis* Gm.

1 ♂ ad. round Tengyueh, 6,000 ft., Dec. 1924; 1 ♂, ? juv. Tengyueh Valley, 5,300 ft., July 1924.

44. *Halcyon smyrnensis fusca* (Bodd.).

1 ♂ Tengyueh Valley, 6,000 ft., Dec. 1924; 1 ♂ Shweli Valley, 6,000 ft., Dec. 1924.

45. *Psittacula schisticeps finschi* Hume.

With the exception of No. 5517 all the adult ♂♂ and the ♀ are in full moult.

5 ♂♂, 1 ♀ adult (No. 5517 freshly moulted), 3 ♀♀, ? juv., hills N.W. of Tengyueh, 7,000-8,000 ft., Sept.-Oct. 1924; 1 ♂, 2 ♀♀ juv., Shweli-Salwin Divide, 25° 40' N. lat., 6,000 ft., May 1924.

46. *Coracias affinis* McClell.

1 ♂, 1 ♂?, 1 ♀? Tengyueh Valley, 5,000-6,000 ft., July 1924; 1 ♂ hills N. of Tengyueh, 6,000 ft., July 1924 (all these 4 birds are much abraded); 1 ♂ around Tengyueh, 6,000 ft., Dec. 1924; 1 ♂ Shweli Valley, 6,000 ft., Dec. 1924 (these 2 birds are in fresh plumage).

47. *Eurystomus orientalis calonyx* Sharpe.

Eurystomus calonyx Sharpe, *Proc. Zool. Soc. Lond.* 1890, p. 551 (Nepal).

1 ♂, 2 ♀♀ juv. hills N.W. of Tengyueh, 7,000 ft., July 1924.

48. *Hirundo rustica gutturalis* Scop.

1 ♂, ? juv., 2 ♀♀ ad. Tengyueh Valley, 5,300 ft., June 1924.

49. *Tesia cyaniventer* Hodgs.

This time Mr. Forrest sent 3 young birds of this interesting little species.

Above dark olive, a yellowish olive superciliary line, and a broad black band behind eye. Below dark grey strongly washed with olive.

There is considerable confusion about the generic terms for this bird and the allied *castaneo-coronata* Burton. In vol. vii of the *Catalogue of Birds*, Dr. Sharpe places these 2 and a Javanese species in the genus *Oligura* Hodgson, although *Tesia* Hodgson is older. In the *Handlist*, vol. iv, p. 58, Dr. Sharpe separates the 2 birds, placing *cyaniventer* under *Tesia* and *castaneo-coronata* into *Oligura*, quoting Oates's *Fauna of British India* as his authority. Oates fixes the type of *Tesia* Hodgs. by "Subsequent Designation" as *cyaniventer* Hodgs. Hartert, in his *Vögel de paläarktischen Fauna*, reunites the two genera by placing *castanea-coronata* under *Tesia*. Outram Bangs has again separated *castaneo-coronata*, generically replacing it in *Oligura*. As, however, I shall not have to deal with *castaneo-coronata* here, I shall say no more about the generic question, except that, as Oates fixed the type of *Tesia* as *cyaniventer*, whether *castaneo-coronata* is congeneric or not, I am correct in putting *cyaniventer* in the genus *Tesia*.

2 ♂♂, ? 1 ♀, ? juv. hills N. of Tengyueh, 8,000 ft., July 1924.

50. *Spelaeornis kauriensis* (Har.).

1 ♀ hills N.W. of Tengyueh, 8,000 ft., Nov. 1924.

51. *Pnoepyga squamata magnirostris* subsp. nov.

♀ ad. similar to *s. mutica*, but more olive-brown, less rufous above, and the yellow spots more defined both on back and rump. The bill is longer and stouter; exposed culmen 11 mm. (in *s. mutica* 8½ mm.).

1 ♀ (rufous form) Shweli Valley, 7,000 ft., Nov. 1924. (Iris black-brown; bill, upper mandible dark brown, lower mandible yellow; feet dark greyish brown.) (Wing 63 mm.)

52. *Enicurus maculatus guttatus* Gould.

1 ♂ hills round Tengyueh, 7,000 ft., Dec. 1924; 1 ♀?, 1 ♂? juv., 1 ? hills N. of Tengyueh, 6,000-7,000 ft., July-Aug. 1924.

53. *Enicurus schistaceus* Hodgs.

1 ♀ hills round Tengyueh, 8,000 ft., Nov. 1924.

54. *Phoenicurus frontalis sinæ* Hart.

5 ♂♂ ad. (Nos. 5760 and 5761 marked ♀ errore !!) Shweli Valley, 7,000-8,000 ft., Nov.-Dec. 1924; 1 ♀ hills round Tengyueh, 8,000 ft., Dec. 1924.

55. *Phoenicurus aureus leucopterus* Blyth.

1 ♂ round Tengyueh, 7,000 ft., Dec. 1924.

56. *Tarsiger rufilatus practicus* (Bangs & Phill.).

Our two ♂♂ from the former collections and the series from the Tsinling Mts. certainly agree with the authors' description, but the present example is practically indistinguishable from *r. rufilatus*; this confirms my former statement that *r. practicus* is a very poor subspecies indeed.

1 ♂ ad. (marked ♀) Shweli Valley, 800 ft., Dec. 1924.

57. *Notodela leucura leucura* (Hodgs.).

Muscisylvia leucura Hodgson, *Proc. Zool. Soc. Lond.* 1845, p. 27 (Nepal).

3 ? juv. hills N.W. of Tengyueh, 9,000 ft., Sept. 1924.

58. *Copsychus saularis saularis* (Linn.).

1 ♂, 2 ♀♀ ad., 2 ♀♀ juv. Shweli-Salwin Divide, lat. 25° 40' N., 7,000-8,000 ft., July 1924; 2 ♂♂, 5 ♀♀ Shweli Valley, 7,000 ft., Dec. 1924; 2 ♂♂ ad., 1 ♀ juv., 1 ♂ juv. Tengyueh Valley, 6,000 ft., Sept. 1924.

59. *Oreicola ferrea haringtoni* Hart.

Hartert gives as sole distinction in the bird the shorter tail, and states that Colonel Harington discovered that the eggs of this form are darker blue and invariably without any markings, whereas in *f. ferrea* the eggs are clouded and spotted with pale red and reddish-brown.

7 ♂♂ Shweli-Salwin Divide, 7,000-8,000 ft., Nov. 1924; 6 ♂♂, 2 ♀♀, 3 ? juv., hills round Tengyueh, 6,000-8,000 ft., June and Dec. 1924; 3 ♀♀ ad., 1 ♀ juv. hills N.W. of Tengyueh, Sept. 1924.

60. *Saxicola torquata indica* Blyth.

2 ♂♂ ad. (freshly moulted) (Nos. 5593, 5594), 1 ♂ ad. (very worn) (No. 5243), 1 ♀ ad., 1 ? (marked ♀) (No. 5883) round Tengyueh, 6,000 ft., June-Dec. 1924; 1 ♀ hills N. of Tengyueh, 7,000 ft., Dec. 1924.

61. *Myiophoneus eugeniae* Hume.

In the description of the soft parts Forrest gives "iris blue-black," whereas in 1918 in his first collection he gives the iris as "dark crimson."

1 ♀ ? hills N. of Tengyueh, 8,000 ft., Aug. 1924; 1 ♂, 1 ♀ Shweli Valley, 8,000 ft., Dec. 1924; 3 ♂♂, 1 ? Shweli-Salwin Divide, 6,000-7,000 ft., July 1924.

62. *Monticola solitarius pandoo* (Sykes).

1 ♀ Shweli Valley, 6,000 ft., Dec. 1924; 1 ♀ ? Shweli-Salwin Divide, 6,000 ft., May 1924.

63. *Turdus eunomus* Temm.

3 ♂♂, 1 ♀ Shweli Valley, 7,000-9,000 ft., Nov.-Dec. 1924.

64. *Turdus eunomus* × *Turdus naumanni*.

1 ♀ Shweli Valley, 6,000–8,000 ft., Dec. 1924.

65. *Turdus obscurus* Gm.

2 ♂♂, 6 ♀♀ Shweli Valley, 7,000–8,000 ft., Dec. 1924.

66. *Turdus dissimilis* Blyth.

3 ♂♂, 1 ♀ (Nos. 5279 and 5283 marked ?), 1 ? juv. Shweli–Salwin Divide, 8,000 ft., July 1924; 2 ♂♂ ad., 2 ♂♂ juv. hills N. of Tengyueh, 7,000–8,000 ft., Nov.–Dec. 1924.

67. *Pomatorhinus ruficollis bakeri* Har.

1 ♀ Tengyueh Valley, 6,000 ft., June 1924; 3 ♂♂ hills N. of Tengyueh, 7,000 ft., July and Nov. 1924; 1 ♂, 3 ♀♀, 4 ? hills round Tengyueh, 7,000–9,000 ft., June–Aug. and Nov. 1924; 4 ♂♂ Shweli Valley, 7,000–8,000 ft., Dec. 1924; 5 ♂♂ Shweli–Salwin Divide, 5,000–8,000 ft., July 1924.

68. *Pomatorhinus maclellandi odicus* Bangs & Phill.

2 ♂♂, 1 ♀ hills N. of Tengyueh, 8,000 ft., Oct.–Nov. 1924; 1 ♂, 1 ♀ Shweli Valley, 7,000–9,000 ft., Dec. 1924; 3 ♀♀ Shweli–Salwin Divide, 5,000–7,000 ft., July 1924.

69. *Ianthocincla squamata* Gould.

Ianthocincla squamata Gould, *Proc. Zool. Soc. Lond.* 1835, p. 48 (Himalayas).

1 ♀ Shweli–Salwin Divide, 9,000 ft., Dec. 1924.

70. *Ianthocincla forresti* Rothsch.

At last Forrest has sent some more of this fine species.

1 ♀, 3 ? hills N.W. of Tengyueh, 9,000 ft., May 1924; 1 ♂ Shweli–Salwin Divide, 9,000 ft., Dec. 1924.

71. *Ianthocincla sannio* (Swinh.).

3 ♂♂, 3 ♀♀ Tengyueh Valley, 5,300 ft., April–June 1924; round Tengyueh, 5,000–7,000 ft., May–June and Nov.–Dec. 1924; 1 ♂, 1 ♀ Shweli–Valley, 6,000–8,000 ft., Nov. 1924.

72. *Ianthocincla cineracea styani* (Oust.).

1 ♂, 1 ♀ ad. hills N.W. of Tengyueh, 7,000–8,000 ft., Sept. 1924; 1 ♀ ad., 1 ? juv. hills round Tengyueh, 5,300–7,000 ft., May–June 1924.

73. *Ianthocincla phoenicea wellsii* (La Touche).

Trochalopteron phoeniceum wellsii La Touche, *Bull. B.O.C.* vol. xlii, p. 15 (1921) (Mengtze).

2 ♂♂, 3 ♀♀ ? hills N. of Tengyueh, 8,000 ft., July–Aug. 1924. (Iris dark brown; bill black-brown; feet dark reddish-brown.)

Forrest's 5 specimens differ from La Touche's diagnosis in NOT having the

crown and nape "much greener" than in *ph. ripponi*, but having it much greyer and the back more greenish. Therefore, it may be that, when we can compare a good series from the plains, with one from the high mountains, it will turn out that 2 forms of *phoenicea* inhabit Yunnan.

74. *Ianthocincla milnei sharpei* (Rippon).

Trochalopteron sharpei Rippon, *Bull. B.O.C.* vol. xii, p. 13 (1901) (Kentung State).

2 ♂♂ Shweli-Salwin Divide, 9,000-10,000 ft., Dec. 1924.

75. *Ianthocincla lanceolata lanceolata* (Verr.).

In my article on Forrest's first collection (Nov. Zool., xxviii, p. 34, No. 111 (1921)) I referred all the 9 examples, there enumerated, to *lanceolata bonvaloti* (Oust.); whereas in my articles on the second and third collections (Nov. Zool., vol. xxx, pp. 43, 44, and 256) I referred 7 examples to *l. bonvaloti* and 3 to *l. lanceolata* on account of differences in size. In the present collection there are 6 further examples, and Dr. Hartert very kindly went through our series of 18 in the Tring Museum and these 6 with me, and very carefully measured the wings of all 24. We came to the conclusion that Sharpe's difference between Oustalet's *l. bonvaloti* and his own *l. yunnanensis*, viz. black *versus* red moustachial line, was, as I stated in my first article, only an individual difference, and that the difference in size was sexual and also possibly a question of age, and we are therefore convinced that *bonvaloti* Oust. and *yunnanensis* Sharpe are pure synonyms of *lanceolata lanceolata*. We find the same differences in size in the allied species, viz. the gigantic *waddelli* and *taivanum*.

1 ♂, 1 ♀ hills round Tengyneh, 6,000 ft., May 1924; 1 ♂, 1 ♀ ? hills N. of Tengyueh, 7,000 ft., Aug. 1924; 2 ♀♀ Shweli Valley, 8,000 ft., Dec. 1924.

76. *Stactocichla merulina merulina* (Blyth).

Garrulax merulina Blyth, *Journ. As. Soc. Beng.*, vol. xx, p. 521 (1851) (Manipur).

This is also the first record of this very strange Laughing Thrush.

1 ♀ hills N.W. of Tengyueh, 8,000 ft., Nov. 1924.

77. *Leiothrix luteus yunnanensis* Rothsch.

I distinguished and described this race from Forrest's first collection, and he did not send any *Leiothrix* in either the second or third collections. The present series of 9 examples amply confirms the distinctness of the subspecies. Quite lately 2 further *Leiothrix* have been described from China, one by Monsieur Delacour as *astleyi* from two cage birds, and one by Dr. Stresemann as *kwangtungensis*. Delacour's bird is mostly red, where *luteus* is yellow; and Stresemann states that his bird is much richer in colour, therefore it is not improbable that both are the same, *astleyi* being changed in colour by captivity.

7 ♂♂ ad. (Nos. 5663 and 5668 marked ♀), 1 ♀ ad., 1 ♀ juv. Shweli-Salwin Divide, 9,000 ft., May and Nov. 1924.

78. *Schoeniparus dubius genestieri* (Oust.).

Forrest has sent this time 23 specimens of this species, 3 of which are young. In my article on his first collection (Nov. Zool., xxviii, p. 36, No. 121

(1921)) I united Rippon's *intermedius* with it as a synonym ; but in my subsequent articles (NOV. ZOOLOG., xxx) I was doubtful owing to some young birds. I now, however, have compared the large number at Tring (31 examples from Yunnan, S.W. China, and Bhamo) with these fresh 23 from Yunnan, and both Dr. Hartert and I have been convinced that *intermedius* cannot be upheld.

8 ♂♂, 3 ♀♀, 3 ♀♀?, 1 ? ad., 2 ♂♂, 1 ♀ juv., Shweli-Salwin Divide, 8,000-9,000 ft., June and Nov. 1924 ; 2 ♂♂, 1 ♀, 2 ? hills N. and N.W. of Tengyueh, 8,000 ft., July and Sept.-Oct. 1924.

79. *Proparus vinipectus bieti* Oust.

1 ♂ Tengyueh Hills, 7,000 ft., Dec. 1924 ; 2 ♂♂, Shweli-Salwin Divide, 7,000 ft., June 1924.

80. *Brachypteryx cruralis cruralis* Blyth.

The single ♀ sent has the white superciliary line absent, but this is also the case with some of our Indian examples. The single example from Mengtze, quoted as *sinensis*, may be that species, but the examples quoted by Baker as collected by Dr. Coltart in Assam are very doubtful, as we have several ♀ *cruralis* collected by him in Assam labelled *sinensis*, evidently on account of the lack of the superciliary line.

1 ♀ Shweli-Salwin Divide, 6,000 ft., July 1924.

81. *Leioptila pulchella coeruleotincta* Rothsch.

1 ♂ Shweli-Salwin Divide, 7,000 ft., July 1924 ; 1 ? hills N. of Tengyueh, 7,000 ft., July 1924.

82. *Leioptila desgodinsi* (Dav. & Oust.).

1 ♂, 2 ♀♀ Shweli Valley, 6,000-7,000 ft., Dec. 1924 ; 1 ♂ Shweli-Salwin Divide, 8,000 ft., June 1924 ; 1 ♂, 2 ♀♀ hills round and N. of Tengyueh, 6,000-7,000 ft., Aug. and Nov.-Dec. 1924.

83. *Leioptila gracilis* (McClell.).

Hypsipetes gracilis McClelland, *Proc. Zool. Soc. Lond.* 1839, p. 159 (Assam).

This is the first record for Yunnan.

1 ♂ ? hills N. of Tengyueh, 7,000 ft., Aug. 1924.

84. *Pseudominla castaniceps* (Hodgs.).

This ought to come before *Leioptila* by rights.

1 ♂ hills N.W. of Tengyueh, 8,000 ft., Nov. 1924.

85. *Stachyridopsis ruficeps bhamoensis* Har.

1 ♂, 2 ♀♀, 1 ? hills N. of and round Tengyueh, 7,000-8,000 ft., July-Sept. and Dec. 1924 ; 2 ♂♂, 2 ♀♀ Shweli-Salwin Divide, 9,000 ft., June 1924.

86. *Actinodura egertoni ripponi* Ogil.-Grant.

Actinodura ripponi Ogilvie-Grant, *Ibis*, 1907, p. 166 (Mount Victoria).

In my article on Forrest's first collection (NOV. ZOOLOG., xxviii, p. 38, No. 129 (1921)), I was misled by Bangs and Phillips quoting *ramsayi* and identified these

birds with typical *egertoni*. On comparing the 17 specimens in the present collection I find that they certainly are not typical *egertoni*. They agree on the upper side with *ripponi* both in the more olive shade of the back and rump and in the more barred tail, and I do not venture to separate them from *ripponi*, although several of them have a greyer head. Below some are darker, but this is very variable.

1 ♀ ? Shweli Valley, 8,000 ft., Dec. 1924 ; 2 ♂♂, 2 ♀♀, 1 ? Shweli-Salwin Divide, 9,000 ft., Dec. 1924 ; 3 ♂♂, 2 ♀♀ ad., 1 ♀ juv., 1 ? fledgling, hills N. of Tengyueh, 8,000 ft., June-Aug. 1924 ; 1 ♂, 2 ♀♀, 1 ♀ juv., hills N.W. of Tengyueh, 8,000 ft., June 1924.

87. *Minla ignotinca* Hodgs.

When I wrote the article on the first collection (Nov. Zool. xxviii) I expressed the opinion that *M. jerdoni* Verr. was identical with *ignotinca*. Since then a considerable amount of further light has been thrown on the subject and many more specimens have come to hand. I received a small lot of birds from the late Charles Oberthur, the great lepidopterist, which were said to have come from Cochin-China, but I do not believe the locality is at all certain. In this series is a MALE *Minla* with deep-red edges to the primaries, but with an olive back, and otherwise exactly like the figure of *M. jerdoni* in the *Nouvelles Archives*. Mr. La Touche says in his description of his new *M. ignotinca mariae* that the description of the edging of the primaries in the *Oiseaux de la Chine* does not agree with his Mengtze birds ; this, however, is an error, for if you examine the Indian birds some have the edges entirely red, some red tipped with yellow, and some half-red, half-yellow, so that this is an absolutely negligible character. In view of my supposed Cochin-China *jerdoni*, and Mr. La Touche's and Bangs and Phillips' Mengtze series of 14 examples, I am convinced that *i. mariae* and *jerdoni* are very closely allied and that we have three forms of *Minla*, viz. *ignotinca ignotinca* Hodgs. from Himalayas, Assam, and down to Manipur and the higher mountains of Western Yunnan, *ignotinca jerdoni* Verr. from Chenton in China and *ign. mariae* in Eastern Yunnan. All the series of 18 examples in the present collection are *i. ignotinca*. Bangs and Phillips and La Touche expressly emphasise the fact that their birds from Mengtze are very bright yellow below, and treat this as a distinguishing character of *i. jerdoni* ; but in this they are wrong, for the original *i. jerdoni* is not yellow, and all my series of *i. ignotinca* from N.W. Yunnan and those from Mengtze are very yellow. I have now received 2 further true *jerdoni*, and these are white below.

8 ♂♂ (Nos. 5065 and 5658 marked ♀ ; No. 5203 marked ?), 4 ♀♀ (Nos. 5066 and 5659 marked ♂♂), Shweli-Salwin Divide, 8,000-9,000 ft., June and Nov. 1924 ; 3 ♂♂ (No. 5378 marked ?), 2 ♀♀ hills N. of Tengyueh, 8,000 ft., July-Aug. and Nov. 1924 ; 1 ♀ (marked ?) hills round Tengyueh, 6,000 ft., June 1924.

88. *Siva strigula yunnanensis* Rothsch.

7 ♂♂, 5 ♀♀ Shweli Valley, 8,000-9,000 ft., Nov. 1924 ; 3 ♂♂, 2 ♀♀, 1 ? juv. Shweli-Salwin Divide, 8,000 ft., June-July 1924.

89. *Siva cyanuroptera wingatei* Grant.

1 ♂, 1 ♀ hills N. of Tengyueh, 7,000 ft., Aug. 1924; 1 ♀ Shweli Valley, 8,000 ft., Dec. 1924; 7 ♂♂, 5 ♀♀ Shweli-Salwin Divide, 7,000-8,000 ft., June and Nov. 1924.

90. *Pteruthius melanotis melanotis* Hodgs.

Forrest has at last sent some more of this little bird. The ♂ proves to be quite indistinguishable from *m. melanotis*, and the ♀ proves that the former ♀♀ were somewhat aberrant in the extent of brown on the throat, as this ♀ is in that respect almost similar to Sikkim ♀♀.

1 ♂ hills N. of Tengyueh, 8,000 ft., Oct. 1924; 1 ♀ (marked ♂) Shweli Valley, 7,000 ft., Dec. 1924.

91. *Pteruthius aeralatus ricketti* Grant.

1 ♂, 2 ♀♀ Shweli-Salwin Divide, 9,000 ft., Dec. 1924; 1 ♂, 1 ♀ Shweli Valley, 9,000 ft., Dec. 1924; 2 ♂♂, 2 ♀♀ hills N.W. of Tengyueh, 8,000-9,000 ft., Sept. 1924.

92. *Suya superciliaris superciliaris* Anderson.

1 ♀ hills S. of Tengyueh, 7,000 ft., Nov. 1924; 2 ♀♀ hills N. of Tengyueh, 6,000-8,000 ft., July and Oct., 1924; 4 ♂♂, 5 ♀♀, 4 ? hills round Tengyueh, 5,000-6,000 ft., May-July and Sept. 1924; 1 ♀ Tengyueh, 7,000 ft., Sept. 1924.

93. *Suya parvirostris* La Touche.

The 3 specimens in the present collection are in good plumage.

3 ? hills round Tengyueh, 5,000-6,000 ft., May and July, 1924.

94. *Yuhina gularis grisotincta* Rothsch.

3 ♂♂, 4 ♀♀ Shweli-Salwin Divide, 8,000-9,000 ft., June and Nov. 1924.

95. *Yuhina flavicollis rouxi* (Oust.).

2 ♀♀, 1 ? hills N.W. of Tengyueh, 8,000-9,000 ft., Oct. and Dec. 1924; 4 ♂♂, 1 ♀ Shweli-Salwin Divide, 9,000 ft., June and Nov. 1924.

96. *Yuhina diademata diademata*.

4 ♀♀ Shweli-Salwin Divide, 7,000-8,000 ft., June and Nov. 1924.

97. *Alcippe nipalensis yunnanensis* Har.

1 ♂, 1 ♀ Shweli-Salwin Divide, 7,000 ft., Oct. 1924; 1 ♂ hills N.W. of Tengyueh, 9,000 ft., Nov. 1924; 3 ♂♂, 6 ♀♀ hills N. of Tengyueh, 7,000-8,000 ft., July-Aug. and Oct.-Dec. 1924; 14 ♂♂, 16 ♀♀ hills round Tengyueh, 6,000-8,000 ft., May-July and Oct. 1924.

98. *Franklinia gracilis* (Franvl.).

1 ? hills round Tengyueh, 6,000 ft., July 1924.

99. *Prinia inornata* exter Thayer & Bangs.

1 ? hills round Tengyueh, 5,000-6,000 ft., July 1924.

100. *Phylloscopus subaffinis* (Grant).

1 ♀ Shweli Valley, 8,000 ft., Dec. 1924.

101. *Phylloscopus fuscatus* (Blyth).

1 ♀ hills N. of Tengyueh, 7,000 ft., Dec. 1924.

102. *Phylloscopus davisoni* (Oates).

2 ♂♂, 3 ♀♀ hills round Tengyueh, 5,000-9,000 ft.

103. *Phylloscopus superciliosus superciliosus* (Gm.).

Motacilla superciliosa Gmelin, *Syst. Nat.*, vol. i, p. 975 (1788) (ex Latham, *Gen. Syn.* ii, p. 549, "Russia").

1 ♀ hills round Tengyueh, 7,000 ft., Dec. 1924.

104. *Phylloscopus lugubris* Blyth.

1 ♂, 2 ♀♀ hills round Tengyueh, 5,000-9,000 ft., Oct.-Nov. 1924.

105. *Cryptolopha burkii tephrocephala* (Anders.).

1 ♂, 1 ? hills round Tengyueh, 6,000-8,000 ft., June-July 1924 ; 1 ♂, 1 ♀ hills S. of Tengyueh, 7,000 ft., Oct. 1924.

106. *Culicicapa ceylonensis* (Swains.).

3 ♂♂, 3 ♀♀ Shweli-Salwin Divide, 6,000-8,000 ft., June and Nov. 1924 ; 1 ♀ hills round Tengyueh, 6,000-8,000 ft., Nov. 1924.

107. *Chelidorynx hypoxantha* (Blyth).

1 ♂, 1 ♀ hills round Tengyueh, 8,000 ft., June 1924.

108. *Muscicapa blythi* Rothsch.

3 ♂♂ ad., 1 ♂ juv. (Nos. 4543, 4544 marked ♀) Tengyueh Valley, 5,500 ft., Oct. 1924 ; 1 ♂, marked ♀, hills N. of Tengyueh, 7,000 ft., Nov. 1924 ; 1 ♂ Shweli-Salwin Divide, 8,000 ft., June 1924.

109. *Muscicapa parva albicilla* (Pall.).

2 ♀♀ ad. (No. 5549 marked ♂), 1 ♀ juv. hills N. of Tengyueh, 7,000-8,000 ft., Oct. 1924.

110. *Muscicapa thalassina thalassina* Swains.

2 ♂♂ (marked ♀) Shweli Valley, 7,000 ft., Dec. 1924 ; 4 ♂♂, 1 ♀ (Nos. 5437 and 5441 marked ♀) hills N.W. of Tengyueh, 7,000-8,000 ft., Aug.-Sept. 1924 ; 4 ♂♂ ad. (No. 5071 marked ?), 1 ? juv. hills round Tengyueh, 6,000 ft., May-June, 1924.

111. *Anthipes laurentei* La Touche.

Anthipes laurentei La Touche, *Bull. B.O.C.*, vol. xlii, p. 15 (1921) (Loukouchai).

1 ♂ hills N. of Tengyueh, 7,000 ft., Nov. 1924.

112. *Niltava sundara* Hodgs.

1 ♂, 1 ♀ ad., 1 ♂, 1 ♀ juv. Shweli-Salwin Divide, 7,000-8,000 ft., June 1924.

113. *Niltava grandis* (Blyth).

1 ♂ ad. hills N. of Tengyueh, 9,000 ft., Aug. 1924; 1 ? juv. hills round Tengyueh, 7,000 ft., Aug. 1924; 1 ♂ ad. Shweli-Salwin Divide, 6,000 ft., June 1924.

114. *Tchitrea paradisi affinis* "Hay" Blyth.

Journ. As. Soc. Beng., vol. xv, p. 292 (1846) (Malay Peninsula and Tenasserim).

1 ♂ juv. hills N. of Tengyueh, 7,000 ft., Oct. 1924.

(For some unaccountable reason Mr. La Touche has applied the name *incii* Gould to this kind, whereas true *incii* is a purple-backed species, never white.)

115. *Rhipidura albicollis albicollis* (Vieill.).

3 ♂♂, 4 ♀♀ Tengyueh Valley, 5,500-7,000 ft., Oct.-Dec. 1924; 1 ? Shweli-Salwin Divide, 8,000 ft., Nov. 1924.

116. *Pericrocotus speciosus speciosus* (Lath.).

Mr. La Touche, in 1921 (*Bull. B.O.C.*, xlii, p. 54) described a *speciosus bakeri* from S.E. Yunnan, giving as distinctions from *speciosus fokhiensis* the red on the central rectrices in the ♂♂ and the darker colour of the back in the ♀♀; from *speciosus speciosus* he said it differed by the scarlet-, not orange-red. Now, in the same year, but somewhat earlier, I identified the 3 birds sent by Forrest in his first collection as *speciosus speciosus*, and, moreover, at Tring I have 2 males from the same place in the Sikkim Himalayas, one of which is orange-, the other scarlet-red. I therefore am obliged to sink Mr. La Touche's *sp. bakeri* as a synonym of *sp. speciosus*.

2 ♂♂, 5 ♀♀ ad., 2 ♂♂ juv. hills N.W. of Tengyueh, 7,000-9,000 ft., Sept. 1924.

2 ♂♂, 5 ♀♀ ad., 2 ♂♂ juv. hills N.W. of Tengyueh, 7,000-9,000 ft., Sept. 1924.

117. *Pericrocotus brevirostris ethelogs* Bangs & Phill.

I am still very much in doubt as to the status of this form and *neglectus* Hume, and the present series does nothing to clear up my difficulties—in fact, only increases the doubts.

1 ♂ ad., 2 ♀♀ ad., 1 juv. hills round Tengyueh, 6,000 ft., June and Nov. 1924; 1 ♂ ad. Tengyueh Valley, 7,000 ft., Dec. 1924.

118. *Pericrocotus* sp. ?

This is a young bird agreeing in colour with a young bird at Tring of *solaris*, except that the yellow in the wing is more orange, but it has a gigantic bill almost as large as in *speciosus*.

1 ♀ ? hills round Tengyueh, 6,000 ft., June 1924.

119. *Pericrocotus solaris solaris* Blyth.

Pericrocotus solaris Blyth, *Journ. As. Soc. Bengal*, vol. xv, p. 310 (1846) (Darjeeling).

This is the first record for Yunnan.

1 ♀ Shweli Valley, 7,000 ft., Dec. 1924.

120. *Graucalus macei siamensis* Baker.

Graucalus macei siamensis Stuart Baker, *Bull. B.O.C.*, vol. xxxviii, p. 69, No. 4 (1918) (Mi-Nam, Kabun).

I determined the only example, a young bird, sent by Forrest in his first collection, as *macei macei*, but as I now have an adult ♀ I perceive that the N.W. Yunnan form belongs to *m. siamensis*.

1 ♀ ad. (marked ♂) hills N. of Tengyueh, 8,000 ft., Dec. 1924.

121. *Campephaga melachistos melachistos* (Hodgs.).

Volucivora melachistos Hodgson, *Ind. Rev.*, vol. i, p. 328 (1837) (Nepal).

Stuart Baker unites *avensis (melanoptera)* as a subspecies to *melachistos*, but I am convinced he is wrong, because they both occur together in the Tengyueh district.

1 ♂, 1 ♀ hills N.W. of Tengyueh, 8,000 ft., Sept. 1924.

122. *Spizixos canifrons* Blyth.

2 ♂♂, 2 ♀♀ hills N. of Tengyueh, 9,000 ft., Aug. 1924.

123. *Microscelis concolor* (Blyth).

Dr. Stresemann, after examining a big series of *concolor*, *leucocephalus*, *perniger*, and *sinensis*, has come to the conclusion that the dark birds and the white-headed ones are the same species. In addition, founding his observations on the fine Chinese material of Dr. Weigold, he declares that the glossy black "Formenkreis" of *perniger* with its various races, *sinensis*, etc., and the group of *concolor*, are merely colour phases of the same species. This he emphasises, because he has examples of the *perniger* glossy type with varying degrees of white heads as in the *leucocephalus* phase of *concolor*, and, therefore, draws the conclusion that *concolor* is a dimorphic species with a bright deep black phase = *perniger* Swinh., and a dull, more slaty black phase = *concolor* Blyth. The present 6 specimens all belong to the *concolor* phase, 3 adults and 1 young being uniform dark typical *concolor* examples, 1 a white-headed *leucocephalus*, and the last an intermediate between *leucocephalus* and *concolor*. The truth is that in Setchuan only white-headed *leucocephalus* occur, while in Hainan and Formosa only black-headed ones; in Yunnan and on the coast mixed are found.

2 ♂♂, 2 ♀♀ Shweli-Salwin Divide, 8,000-9,000 ft., Dec. 1924 (♂ 5828 complete *leucocephalus*, ♂ 5831 intermediate); 1 ♀, 1 ? juv. hills N. of Tengyueh, 8,000 ft., Aug. 1924.

124. *Alcurus striatus* Blyth.

The 9 specimens sent in the present collection show a wing measurement of 95-107 (♂♂ and ♀♀ inclusive) as opposed to a measurement in ♂♂ from Assam and Burma of 97-107, whereas Yunnan (including former collections.)

♂♂ only vary from 99 to 109, thus proving that Bangs and Phillips's *st. paulus* has no existence in fact.

4 ♂♂, 5 ♀♀ hills N. of Tengyueh, 9,000 ft., July-Aug. 1924.

125. *Pycnonotus xanthorhous* And.

1 ♂, 3 ♀♀ hills round Tengyueh, 5,000-8,000 ft., June and Aug. 1924 ; 1 ♀, 2 ? Tengyueh Valley, 5,300 ft., July 1924 ; 1 ♀ (? ♂ a.) Shweli Valley, 6,000 ft., Nov. 1924.

126. *Molpastes burmanicus* (Sharpe).

6 ♂♂, 3 ♀♀, 2 ? hills round Tengyueh, 6,000 ft., July, Sept., and Dec. 1924 ; 1 ♂, 1 ♀ hills N. of Tengyueh, 7,000 ft., Aug. 1924 ; 1 ? nestling hills S. of Tengyueh, 7,000 ft., Nov. 1924.

127. *Iole maclellandi similis* Rothsch.

1 ♂, 1 ? Shweli Valley, 8,000 ft., Dec. 1924 ; 4 ♂♂, 1 ♀ hills N.W. of Tengyueh, 7,000-8,000 ft., Oct. 1924 ; 3 ♂♂, 6 ♀♀, 1 ? hills N. of Tengyueh, 8,000 ft., Aug. 1924.

128. *Chloropsis hardwickii* Yard. & Selby.

2 ♂♂ hills N. of Tengyueh, 7,000 ft., Aug. 1924 ; 1 ♀ hills E. of Tengyueh, 9,000 ft., Dec. 1924.

129. *Lanius colluriooides siamensis* Gyldenst.

Lanius colluriooides siamensis Gyldenstolpe, *Orn. Monatsb.*, vol. xxiv, p. 28 (1916) (Koh Lak).

The fine adult ♂ is undoubtedly this race, and so are the young birds of the first collection ; the adult ♂ is easily distinguished by the pale back and wing edgings, and also by the white lores and superciliary markings. I had identified the former 3 specimens as *colluriooides colluriooides*.

1 ♀ ad. Shweli Valley, 7,000 ft., Dec. 1924.

130. *Lanius cristatus cristatus* Linn.

2 ♂♂ juv. round Tengyueh, 6,000 ft., Dec. 1924.

131. *Lanius shach tephronotus* (Vig.).

2 ♀♀ ad. Shweli Valley, 6,000-8,000 ft., Dec. 1924 ; 1 ♀, ? juv. round Tengyueh, 6,000 ft., Nov. 1924.

132. *Lanius nigriceps nigriceps* (Frankl.).

1 ♂ ad., 1 ♀, ? juv. around Tengyueh, 6,000 ft., Nov. 1924 ; 6 ♂♂ ad. Shweli Valley, 6,000-8,000 ft., Dec. 1924.

133. *Paradoxornis guttaticollis* A. Dak.

2 ♂♂, 1 ♀ hills N. of Tengyueh, 9,000 ft., Aug. 1924 ; 1 ♂ ?, 1 ♀ ?, hills S. of Tengyueh, 7,000 ft., Dec. 1924.

134. *Paradoxornis brunnea* (Anders.).

There is a certain amount of doubt about the species and subspecies of the *webbiana* group which arises owing to the absence or presence in varying degrees of the striping on the throat in the same locality. Also the degree of vinaceous or chestnut coloration on the cheeks in the various races of *webbiana*. The exact status of *brunnea* is a great puzzle; it undoubtedly has the cheeks almost uniform in chestnut colouring with the crown, whereas my *webbiana ricketti* has a much paler, almost white throat heavily striped and has the cheeks vinaceous and striped like the throat—in fact, except that it has the throat whiter and the crown and nape much darker chestnut it is very close to *webbiana styani*. The chief difficulty arises from the fact that my *ricketti* and *brunnea* occur together in N.W. Yunnan. One great distinction between *ricketti* and *brunnea* is that the latter has the breast and half the abdomen vinaceous, which is not the case in *ricketti* and *styani*, and which in the other races of *webbiana* only goes as far down as the breast at the outside. I shall therefore, for the present, treat *brunnea* as a species, and decide definitely in my proposed final paper when giving a complete list of all the birds recorded from Yunnan.

5 ♂♂, 6 ♀♀ Tengyueh Valley, 5,500–6,000 ft., June and Sept.–Oct. 1924; 3 ♂♂, 3 ♀♀ hills round Tengyueh, 6,000–7,000 ft., June and Dec. 1924; 3 ♂♂, 2 ♀♀ hills N. of Tengyueh, 6,000–7,000 ft., July 1924.

135. *Paradoxornis poliotis poliotis* (Blyth).

Suthora poliotis Blyth, *Journ. As. Soc. Beng.*, vol. xx, p. 522 (1851) (Cherrapunji).

This seems to be the first record for Yunnan. The two birds appear to be not quite adult, so I do not venture to separate them from *p. poliotis*, but the crown is decidedly more olive, less rufous than in my 4 Burmese *p. poliotis*.

1 ♂, 1 ♀ hills N.W. of Tengyueh, 9,000 ft., Sept. 1924.

136. *Aegithaliscus concinnus talifuensis* Ripp.

1 ? Shweli Valley, 10,000 ft., Dec. 1924; 1 ♂ hills N. of Tengyueh, 8,000–9,000 ft., Nov. 1924; 1 ♂, 1 ♀ hills N.W. of Tengyueh, Nov. 1924; 1 ♀ hills round Tengyueh, 7,000 ft., July 1924.

137. *Parus monticolus yunnanensis* La Touche.

1 ♂ hills round Tengyueh, 6,000 ft., Dec. 1924; 1 ♂ hills N. of Tengyueh, 8,000 ft., Dec. 1924.

138. *Parus major tibetanus* Hart.

1 ♂ Tengyueh Valley, 7,000 ft., Dec. 1924; 1 ♂ hills N. of Tengyueh, 8,000 ft., Dec. 1924.

139 *Parus spilonotus subviridis* Tickell (Blyth).

Parus subviridis Tickell (Blyth), *Journ. As. Soc. Beng.*, vol. xxiv, p. 265 (1855) (Tenasserim).

I wrongly identified the two examples of this bird in the first collection as *sp. spilonotus*.

3 ♂♂ ad., 2 ♀♀ juv. Shweli Valley, 8,000–9,000 ft., Nov. 1924; 2 ♂♂ ad., 1 ♂ juv. Shweli–Salwin Divide, 7,000–8,000 ft., Oct. 1924.

140. *Sitta europaea nebulosa* La Touche.

1 ♂, 1 ♀ ? hills round Tengyueh, 5,000–8,000 ft., June 1924; 1 ♂ Shweli Valley, 9,000 ft., Dec. 1924.

141. *Zosterops simplex* Swinh.

This bird has usually been treated as a subspecies of *Z. palpebrosa*, as I also have done, but it is resident in N.W. Yunnan with a true *palpebrosa* form and must be treated as a distinct species. In S.E. Yunnan Mr. La Touche records two different birds as *Zosterops palpebrosa* subsp.; the first is evidently a *simplex* form and the second a *palpebrosa* form.

1 ♀, 1 ? hills round Tengyueh, 7,000 ft., June 1924; 1 ♀, 1 ? hills N. of Tengyueh, 7,000 ft., June 1924; 3 ♂♂, 3 ♀♀ Shweli–Salwin Divide, 6,000–8,000 ft., Nov. 1924.

142. *Zosterops palpebrosa elwesi* Baker.

Zosterops palpebrosa elwesi Stuart Baker, *Ibis*, 1922, p. 144 (Sikkim).

This is a new record for Yunnan; as it had hitherto been confused with *simplex*.

1 ♂, 2 ♀♀ hills N. of Tengyueh, 7,000 ft., June 1924; 1 ♀ hills S. of Tengyueh, 8,000 ft., Dec. 1924; 2 ♀♀, 1 ? Shweli–Salwin Divide, 6,000–8,000 ft., Nov. 1924.

143. *Dicaeum ignipectus ignipectus* (Blyth).

1 ♂ ad. Shweli Valley, 9,000 ft., Nov. 1924; 1 ♀ juv. Shweli–Salwin Divide, 9,000 ft., June 1924.

144. *Dicaeum minullum olivaceum* Wald.

3 ♀♀, 1 ? Shweli–Salwin Divide, 9,000 ft., June 1924; 1 ♀ hills round Tengyueh, 7,000 ft., June 1924; 1 ♀ hills N.W. of Tengyueh, 8,000–9,000 ft., Oct. 1924.

145. *Aethopyga ignicauda exultans* Baker.

1 ♀ hills N.W. of Tengyueh, 9,000 ft., Dec. 1924.

146. *Aethopyga dabryii* (Verr.).

4 ♂♂, 1 ♀ Shweli–Salwin Divide, 9,000 ft., June 1924; 1 ♂ Shweli Valley, 9,000–10,000 ft., Dec. 1924.

147. *Aethopyga nipalensis nipalensis* (Hodgs.).

4 ♂♂, 2 ♀♀ Shweli–Salwin Divide, 9,000 ft., June 1924; 1 ♂, 3 ♀♀ hills N. of Tengyueh, 9,000 ft., July–Aug. 1924; 3 ♂♂ ad., 1 ♂ juv. hills N.W. of Tengyueh, 8,000–9,000 ft., Oct. 1924.

148. *Arachnothera magna magna* (Hodgs.).

1 ♂ hills N.W. of Tengyueh, 9,000 ft., Sept. 1924.

149. *Motacilla alba hodgsoni* Blyth.

2 ♂♂ Tengyueh Valley, 5,500 ft., Nov. 1924; 1 ♂ juv. round Tengyueh, 6,000 ft., Sept. 1924.

150. *Motacilla alba leucopsis* Gould.

3 ♂♂, 2 ♀♀ Tengyueh Valley, 6,000 ft., Dec. 1924.

151. *Motacilla boarula melanope* Pall.

2 ♂♂ ad. (No. 5509 marked ♂), 1 ♀ ad., 1 ♀ juv. Tengyueh Valley, 5,500-6,000 ft., Nov. 1924; 1 ♀ (marked ♂) Shweli Valley, 7,000 ft., Dec. 1924.

152. *Dendronanthus indicus* (Gm.).

Motacilla indica Gmelin, *Syst. Nat.*, vol. i, p. 962 (1788) (ex Sonnerat and Latham, India).

This is, I believe, the first record for N.W. Yunnan, but La Touche records it from Mengtsh, and so does Collingwood Ingram.

1 ♀ Tengyueh Valley, 6,000 ft., Sept. 1924.

153. *Anthus berezowskii yunnanensis* Uch. & Kur.

2 ♂♂, 2 ♀♀ Tengyueh Valley, 5,500 ft., Nov. 1924.

154. *Anthus roseatus* Blyth.

The ♀ from N. of Tengyueh (No. 5887) has the spotting on the under-surface much heavier than any in our long series at Tring.

1 ♂, 1 ♀ round Tengyueh, 5,500 ft., Nov. 1924; 1 ♂ hills N. of Tengyueh, 7,000 ft., Dec. 1924.

155. *Anthus richardi richardi* Vieill.

1 ♀ hills round Tengyueh, 6,000 ft., Dec. 1924.

156. *Alauda arvensis japonica* Temm. & Schleg.

1 ♀ hills round Tengyueh, Dec. 1924.

157. *Melophus melanicterus* (Gm.).

1 ♀ juv. hills S. of Tengyueh, 6,000 ft., Oct. 1924.

158. *Emberiza pusilla* Pall.

3 ♂♂, 4 ♀♀, 1 ? Tengyueh Valley, 6,000 ft., Dec. 1924; 1 ♂ hills round Tengyueh, 7,000 ft., Oct. 1924; 2 ♂♂ Shweli Valley, 7,000 ft., Nov. 1924.

159. *Passer rutilans intensior* Rothsch.

Mr. Kinnear has compared a huge series ranging from Cashmere to Yunnan, consisting of 194 specimens, in the Tring and British Museums (34 Tring, 160 British Museum), and came to the conclusion that *rutilans cinnamomeus* and *rutilans debilis* were the same, and that my *rutilans intensior* showed differences in the darker colour of the ♀♀. The two freshly moulted ♀♀ now to hand do

not bear this out, but the freshly moulted ♂♂ show some differences, so I shall retain the name at all events till my final paper.

2 ♂♂, 2 ♀♀ hills round Tengyueh, 6,000–8,000 ft., June and Dec. 1924 ;
1 ♂, 1 ♀ Shweli–Salwin Divide, 8,000 ft., Nov. 1924.

160. *Haematospiza sipahi* (Hodgs.).

Corythus sipahi Hodgson, *Asiat. Research.*, vol. xix, p. 151 (1836) (Nepal).

In my article on the first collection of Forrest I adopted Hartert's view that the correct name of this bird was *indica* Gmelin. This view is, however, not accepted by most ornithologists, and Hartert himself now says that as there is a slight doubt, the name of Hodgson is safer.

1 ♂ Shweli–Salwin Divide, 9,000 ft., June 1924.

161. *Pyrrhula nipalensis ricketti* La Touche.

Pyrrhula ricketti La Touche, *Bull. B.O.C.*, vol. xvi, p. 21 (1905) (Mts. of N.W. Fokien).

This is the first record for N.W. Yunnan. The 2 specimens now to hand are rather worn and therefore are considerably darker than 2 ♂♂ and 1 ♀ from Fokien in the Tring collection in very fresh plumage.

1 ♂, 1 ♀ hills N. of Tengyueh, 9,000 ft., Aug. 1924.

162. *Carduelis ambiguus* (Oust.).

7 ♂♂, 1 ♀ Shweli Valley, 6,000–9,000 ft., Dec. 1924 ; 2 ♂♂ (No. 5141 marked ♀) Shweli–Salwin Divide, 8,000 ft., July 1924.

163. *Mycerobas melanozanthus* (Hodgs.).

1 ♂ juv. hills N.W. of Tengyueh, 8,000–9,000 ft., Nov. 1924.

164. *Munia atricapilla atricapilla* (Vieill.).

1 ♂ Shweli–Salwin Divide, 8,000 ft., July 1924.

165. *Munia punctulata topela* Swinh.

3 ♂♂, 9 ♀♀, 2 ? ad., 1 ♂ juv. hills round Tengyueh, 6,000 ft., May–July and Dec., 1924 ; 2 ? hills N. of Tengyueh, 7,000 ft., June 1924 ; 1 ♂, 1 ♀, 1 ? ad., 1 ♀ ? juv. hills S. of Tengyueh, 6,000–8,000 ft., Nov.–Dec. 1924 ; 1 ♂ juv. Shweli Valley, 7,000 ft., Dec. 1924.

166. *Oriolus indicus tenuirostris* Blyth.

1 ♂ ad., 1 ♀ juv. hills round Tengyueh, 5,000–8,000 ft., May 1924 ; 1 ♂, 1 ♀ ad. hills N. of Tengyueh, 7,000 ft., Dec. 1924 ; 1 ♂ ad. hills N.W. of Tengyueh, 8,000 ft., Oct. 1924 ; 1 ♂ ad. Shweli–Salwin Divide, 8,000 ft., Dec. 1924.

167. *Oriolus trailli* (Vig.).

1 ♀ hills N. of Tengyueh, 8,000 ft., July 1924.

168. *Dicrurus hottentotta* (Linn.).

2 ♂♂ hills N.W. of Tengyueh, 7,000 ft., Sept. 1924.

169. *Dicrurus macrocerus cathoecus* Swinh.

1 ♂, 1 ♀ ad., 1 ? juv. round Tengyueh, 5,000–6,000 ft., May–June 1924 ;
1 ? juv. Tengyueh Valley, 5,300 ft., July 1924 ; 1 ♂ N.W. of Tengyueh, 7,000 ft.,
Sept. 1924.

170. *Dicrurus leucophoeus nigrescens* Oates.

1 ♂, 1 ♀ Tengyueh Valley, 5,000–6,000 ft., July 1924 ; 2 ? round Tengyueh,
5,000–6,000 ft., June and Dec. 1924 ; 1 ♂ hills N.W. of Tengyueh, 6,000 ft.,
Oct. 1924 ; 4 ♂♂, 1 ♀ Shweli Valley, 6,000–8,000 ft., Dec. 1924.

171. *Chaptia aenea* (Vieill.).

Dicrurus aeneus Vieillot, *Nouv. Dict. d'Hist. Nat.*, vol. ix, p. 586 (1817) (Bengal).

2 ♂♂, 2 ♀♀, 1 ? hills N.W. of Tengyueh, 8,000 ft., Aug. 1924.

172. *Bhringa remifer* (Temm.).

Edolius remifer Temminck, *Planch. Col.*, vol. iii, pl. 178 (1823) (Java and Sumatra).

1 ♀ hills N.W. of Tengyueh, 7,000 ft., Sept. 1924.

173. *Acridotheres grandis* Moore.

Acridotheres grandis Moore, *Cat. B. Mus. E.T. Co.*, vol. ii, p. 537 (1856) (Sumatra ?).

In my account of Forrest's third collection I inadvertently listed the ♀
"No. 1381 round Tengyueh, 5,000–6,000 ft., March 1922" as *A. cristatellus*.

1 ♂, 1 ? Tengyueh Valley, 5,300 ft., July 1924.

174. *Acridotheres cristatellus cristatellus* (Gm.).

1 ♂, 1 ♀ Shweli Valley, 6,000 ft., Dec. 1924.

175. *Nucifraga caryocatactes yunnanensis* Ingr.

2 ♂♂, 2 ♀♀ Shweli Valley, 8,000–10,000 ft., Dec. 1924.

176. *Urocissa erythrorhyncha erythrorhyncha* (Gm.).

2 ♂♂ Shweli Valley, 6,000–9,000 ft., Nov. 1924 ; 1 ♂ Tengyueh Valley,
6,000 ft., June 1924.

177. *Dendrocitta formosae himalayensis* Blyth.

Mr. E. C. Stuart Baker, in his *Fauna of British India Birds*, vol. i, p. 52,
puts *himalayensis* down as a subspecies of *sinensis* Lath. He has completely
overlooked the fact that Dr. Stresemann already in 1913, *Ornith. Monatsb.*,
vol. xxi, p. 9, had shown that the name *Corvus sinensis* Gm. ex Lath. could not
be used as applying to the *Dendrocitta* from China, as the diagnosis is totally
different, and therefore renamed the bird *Dendrocitta formosae sinica*. Mr. Baker
further complicates matters by saying that his *sinensis* (non Gmelin) = *sinica* of
Stresemann had an entirely PALE GREY tail with NO black tip, whereas *sinensis*
= *sinica* has in reality the WHOLE of the tail BLACK. A great disadvantage
to students in Mr. Baker's book is that, as in the present instance, when he is

dealing with Indian subspecies of extra-limital species, he never gives the quotation of the extra-limital typical race.

1 ♂ ad., 1 ♂ ?, 1 ♀ ?, juv. ? Shweli-Salwin Divide, 9,000 ft., May and Dec. 1924 ; 3 ♂♂, 1 ♀ ad. Shweli Valley, 9,000-10,000 ft., Nov.-Dec. 1924 ; 2 ♂♂, 2 ♀♀ ad. hills N.W. of Tengyueh, 7,000 ft., July 1924.

178. *Pica pica serica* Gould.

Pica serica Gould *Proc. Zool. Soc. Lond.*, 1845, p. 2 (Amoy).

2 ♂♂, 4 ♀♀ Tengyueh Valley, 6,000-7,000 ft., Dec. 1924 ; 1 ♂ round Tengyueh, 6,000 ft., Dec. 1924.

179. *Corvus coronoides intermedius* Adams.

1 ♂ Tengyueh Valley, 6,000 ft., Dec. 1924.

The fourth collection consists of 916 skins of 176 species and subspecies, of which 29 had not been sent before.
